

# Ken Cor, PhD, MSc, BSc Eng

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## Goals and Values

Passionate about enhancing the higher education experience for all students, academics, and support staff, I aim to identify and implement innovative systems and research that support more positive teaching and assessment experiences. I value relationships, well-being, support, and transparency. When working with others I aim to develop a sense of shared purpose and empowerment to contribute effectively to creating excellent education. My expertise lies in collaborative data-driven problem-solving and leveraging emerging technologies to find solutions to systemic barriers to foster transformative change.

## Education

Stanford University School of Education — Doctor of Philosophy in Psychological Studies in Education, Palo Alto, California — 2012

M.Ed. with Specialization in Measurement, Evaluation, and Cognition, University of Alberta — 2008

B.Ed. Secondary Education with Distinction, University of Alberta — 2006

B.Sc. Chemical Engineering Co-op, University of Alberta — 2003

## Awards and Grants

Co-PI TLEF Grant - 2025

Co-Investigator Canadian Foundation for Pharmacy Grant - 2025

Alberta Pharmacy Students' Association Honorary Lifetime Member Award for Contributions to Undergraduate Student Experience - 2023

Alberta Pharmacy Students' Association John A. Bachynsky Award for Undergraduate Student Advocacy - 2022

Co-PI SSHRC Partnership Grant, Government of Canada — 2019

Co-PI SSHRC Partnership Development Grant, Government of Canada — 2018

University of Alberta TLEF Grant Co-Investigator — 2015

University of Alberta TLEF Grant Co-Investigator — 2013

Stanford School of Education Tuition Fellowship — 2008

SSHRC Doctoral Fellowship, Government of Canada — 2008

Joseph-Armand Bombardier CGS Doctoral Scholarship, Government of Canada (Declined) — 2008

Provost Doctoral Entrance Award, University of Alberta — 2008

Honorary Izaak Walton Killam Memorial Scholarship, Killam Trust (Declined) — 2008

Mary Louise Imrie Graduate Student Award, University of Alberta — 2008

## Positions

Assistant Dean, Assessment and Evaluation University of Alberta Faculty of Pharmacy and Pharmaceutical Science — 2012 - Present

Provost Fellow Vice-Provost (Programs) University of Alberta Faculty of Pharmacy and Pharmaceutical Science — 2023 – 2024

Research and Measurement Consultant, Various Stanford University Research Centres — 2011 – present

Associate Director, Assessment of the Center for Teaching and Learning, University of Alberta — 2014 - 2017

## Teaching

Pharm 592 Foundations in Health Services Research (Current)

EDHS 503 Research Methods for Health Sciences Education (Current)

Pharm 498 Research and Directed Studies (Current)

Pharm 690 Survey Instrument Design (2019)

Pharm 210 Foundations of Collaborative Practice (2019-2021)

Pharm 304 Introduction to Core Skills Required of a Health Professional - Drug Information (2012-2019)

Pharm 392 Pharmacoepidemiology & Pharmacy Practice Research (2012 -2019)

EDPY 501 Educational Research Methods (2010-2012)

EDU 251B Analysis of Variance (2009)

EDPY 301 Classroom Assessment (2008)

High School Physics, Chemistry, Science, and Math

## Professional roles, memberships, and accreditations

Member, Association of Faculties of Pharmacy of Canada

Member, American Association of Colleges of Pharmacy

Past Editorial Board Member, Currents in Pharmacy Teaching and Learning

Stanford University Methods of Analysis Program in the Social Sciences (MAPSS) certificate in social science research methodology

Member of the National Council of Measurement in Education

Member of the American Educational Research Association Classroom Assessment SIG

Member of the American Educational Research Association Motivation Research SIG

Member of the American Educational Research Association Division D - Measurement and Research Methodology

## Contributions

### *Peer Reviewed Scholarly Articles*

Peeters, M. J., Cor, M. K., Castleberry, A. N., & Gonyeau, M. J. (2025). Comparing holistic and mixed-approach rubrics for academic poster quality. *American Journal of Pharmaceutical Education*, 89(4), 101379.

Boaler, J., Conte, K., Cor, K., Dieckmann, J. A., LaMar, T., Ramirez, J., & Selbach-Allen, M. (2025). Studying the Opportunities Provided by an Applied High School Mathematics Course: Explorations in Data

Science. *Journal of Statistics and Data Science Education*, 1–20.  
<https://doi.org/10.1080/26939169.2024.2333735>

- Silva, D. A., Cor, M. K., Lavasanifar, A., Davies, N. M., & Löbenberg, R. (2022). Using GastroPlus to teach complex biopharmaceutical concepts. *Pharmacy Education*, 22(1), 336-347.
- Cor, K., Sanghera, R., & Brocks, D. R. (2021). Online interviews for the selection of applicants for admission into an entry to practice program in pharmacy: Relationship to performance and student perspectives. *Currents in Pharmacy Teaching and Learning*. (In Press)
- Cor, K., & Brocks, D. R. (2021). Does a sudden shift of testing format from closed-book to open-book change the characteristics of test scores on summative final exams? *Currents in Pharmacy Teaching and Learning*. (In Press)
- Peeters, M. J., Cor, M. K., Petite, S. E., & Schroeder, M. N. (2021). Validation Evidence using Generalizability Theory for an Objective Structured Clinical Examination. *INNOVATIONS in pharmacy*, 12(1), 15-15.
- Peeters, M. J., & Cor, M. K. (2020). Guidance for high-stakes testing within pharmacy educational assessment. *Currents in Pharmacy Teaching and Learning*, 12(1), 1-4.
- Nusair, M. B., Cor, M. K., Roberts, M. R., & Guirguis, L. M. (2019). Community pharmacists' clinical reasoning: a protocol analysis. *International Journal of Clinical Pharmacy*, 41(6), 1471-1482.
- Necyk, C., Cor, K., Mazzuca, A., & Meleshko, L. (2019). An evaluation of Alberta pharmacists' practices, views and confidence regarding prescription drug abuse and addiction within their practice setting. *Canadian Pharmacists Journal / Revue Des Pharmaciens Du Canada*.  
<https://doi.org/10.1177/1715163519865914>
- Ward, A., Hall, J., Mutch, J., Cheung, L., Cor, M. K., & Charrois, T. L. (2019). What makes pharmacists successful? An investigation of personal characteristics. *Journal of the American Pharmacists Association: JAPhA*, 59(1), 23.
- Novovic, J., Charrois, T. L., Cor, M. K., & Hall, J. J. (2018). Admissions processes in North American pharmacy schools: To what extent are characteristics of practice success measured?. *Currents in Pharmacy Teaching and Learning*, 10(12), 1550-1564.
- Faruquee, C. F., Guirguis, L. M., Hughes, C. A., Makowsky, M. J., Sadowski, C. A., Schindel, T. J., Cor, M.K., & Yuksel, N. (2018). Characterizing pharmacist prescribers in Alberta using cluster analysis. *Journal Of Pharmaceutical Health Services Research*. 10, 5-12.
- Cor, M. K., & Brocks, D. R. (2018). Examining the relationship between prerequisite grades and types of academic performance in pharmacy school. *Currents in Pharmacy Teaching and Learning*.
- Bharadia, R., Lorenz, K., Cor, K., & Simpson, S. H. (2018). Financial remuneration is positively correlated with the number of clinical activities: an example from diabetes management in Alberta community pharmacies. *International Journal of Pharmacy Practice*, 26(1), 77-80.
- Cor, M. K. (2017). Measuring social science concepts in pharmacy education research: From definition to item analysis of self-report instruments. *Currents in Pharmacy Teaching and Learning*.
- Hall, J. J., Katz, S. J., & Cor, M. K. (2017). Patient Satisfaction with Pharmacist-Led Collaborative Follow-Up Care in an Ambulatory Rheumatology Clinic. *Musculoskeletal care*, 15(3), 186-195.
- Makowsky, M. J., Cor, K., & Wong, T. (2017). Exploring Electronic Medical Record and Self-Administered Medication Risk Screening Tools in a Primary Care Clinic. *Journal of Managed Care & Specialty Pharmacy*, 23(5), 566-572.

- Lo, A., Lorenz, K., Cor, K., & Simpson, S. H. (2016). Factors affecting number of diabetes management activities provided by pharmacists. *Canadian journal of diabetes, 40*(6), 535-542.
- Cor, M. K. (2016). Trust me, it is valid: Research validity in pharmacy education research. *Currents in Pharmacy Teaching and Learning, 8*(3), 391-400.
- Cor, M. K., & Sood, G. (2016). Guessing and Forgetting: A Latent Class Model for Measuring Learning. *Political Analysis, 24*(2), 226-242.
- Babadagli, H. E., Cor, M. K., & Sadowski, C. A., (2016). Content Related to Older Adults in Canadian Innovator–Drug Product Monographs: An Exploratory Analysis. *Pharmaceutical Medicine, 1-7*.
- Cor, M. K., & Peeters, M. J. (2015). Using generalizability theory for reliable learning assessments in pharmacy education. *Currents in Pharmacy Teaching and Learning, 7*, 332-341.
- Peeters, M. J., Kelly, C.P., & Cor, M.K. (2015). Summative Evaluations When Using an Objective Structured Teaching Exercise. *American journal of pharmaceutical education, 79*(4).
- Sadowski, C.A., Cor, M.K., Cave, A., & Banh, H.L. (2015). Administration Technique and Acceptance of Inhaler Devices in Patients with Asthma or COPD. *Annals of Pharmacotherapy, 49*(6), 639-648.
- Banh, H.L., Cor, M.K., (2014). Evaluation of an Injection Training and Certification Program for Pharmacy Students. *American Journal of Pharmaceutical Education, 78*(4).
- Cor, M.K., Haertel, E., Krosnick, J.A., & Malhotra, N. (2012). Improving ability measurement in surveys by following the principles of IRT: The Wordsum vocabulary test in the General Social Survey. *Social Science Research, 41*(5), 1003-1016.
- Leighton, J.P., Gokiert, R.J., Cor, M.K., & Heffernan, C. (2010). Teacher views about the cognitive diagnostic merits of classroom- versus large-scale assessments: Implications for assessment literacy. *Assessment in Education: Principles, Policy & Practice, 17*, 7-21.
- Cor, K., Alves, C., & Gierl, M.J. (2009). Three Applications of Automated Test Assembly within a User-Friendly Modeling Environment. *Practical Assessment, Research and Evaluation, 14*(14), 1-23.
- Leighton, J., Cui, Y., & Cor, M.K. (2009). Testing Expert-Based And Student-Based Cognitive Models: An Application of the Attribute Hierarchy Method And Hierarchical Consistency Index. *Applied Measurement in Education, 22*(3), 229-254.
- Cor, K., Alves, C., & Gierl, M. J. (2008). Computer Software Review: Conducting Automated Test Assembly Using the Premium Solver Platform Version 7.0 With Microsoft Excel and the Large-Scale LP/QP Solver Engine Add-In. *Applied Psychological Measurement, 32*(8), 652-663.